

# EUROPEAN PATENT OFFICE

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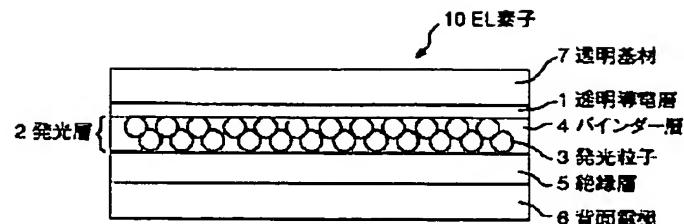
APPLICATION NUMBER : 2000097403

APPLICANT : THREE M INNOVATIVE PROPERTIES  
CO;

INVENTOR : SEKIGUCHI MAKOTO;

INT.CL. : H05B 33/20

TITLE : ELECTROLUMINESCENT ELEMENT



ABSTRACT : PROBLEM TO BE SOLVED: To provide an electroluminescent element without lowering brightness, for example, keeping 50 cd/m<sup>2</sup> or more, with effectively improved luminous efficiency and life.

SOLUTION: The electroluminescent element is composed of a transparent conductive layer, a binder formed at the back of the transparent conductive layer, a luminous layer including a number of luminous particles buried in the binder, an insulation layer including particles of insulation material formed at the back of the luminous layer, and a back surface electrode formed at the back of the insulation layer. The ratio of the thickness of the luminous layer T [μm] to the maximum diameter of the luminous particle Dm [μm]; (T/Dm) is 1.2 or more and less than 2.0.

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